	Application No.	Applicant(s)
Notice of Allowability	09/765,488	BRADEE, ROBERT L.
	Examiner	Art Unit	
	Beemnet W. Dada	2135	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *an after final amendment filed on 06/26/06*.

2. ☒ The allowed claim(s) is/are *27-35*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
        Paper No./Mail Date _____.

  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

David R. Fairbairn, Reg. No. 26,047 on July 17, 2006.

The application has been amended as follows:

In the claims:

30. (Currently Amended) A method for providing computer application security, the method
    comprising:

       identifying secured resources within a software application;

       grouping secured resources into user roles stored on data stores of a plurality of
           security brokers;

       generating a plurality of surrogate identifiers in the data stores of the security
           brokers, each surrogate identifier being associated with one user role;

       associating users with user roles, each user being associated with one user role;
       and

       determining access rights to the secured resources for each user according to a
           corresponding surrogate identifier without disclosing the corresponding
           surrogate identifier to the user, the corresponding surrogate identifier
           being associated with the user role of the user, determining access rights
           further comprising:

receiving a permissions request from a workstation and routing the permissions request to one of a plurality of security providers with one of the security brokers;

authenticating a computer user as a valid user with one of the security providers, wherein authenticating the computer user comprises:

invoking programatically an embedded component within the software application when a secured resource is accessed;

passing a resource name identifying the secured resource through the embedded component to a platform coordinator;

retrieving an identifier and a security provider name from the user via the platform coordinator;

passing the identifier and the security provider name to the security broker;

relaying the identifier to the security provider associated with the security provider name for authentication;

evaluating automatically the identifier against a data store of the security provider;

returning an authentication result to the security broker;

storing an authentication token with a time stamp in a cache of the security broker when authentication is successful, the authentication token created by the security broker based on the authentication result;

retrieving the user role associated with the identifier from the data store of the security broker;

retrieving the surrogate identifier associated with the user role from the data store of the security broker;

passing the surrogate identifier and a secured resource name from the security broker to the security provider;

evaluating automatically the surrogate identifier against the data store of the security provider;

determining automatically permissions associated with the
surrogate identifier on the security provider;

returning an authorization result associated with the surrogate
identifier to the security broker;

creating automatically a permissions token on the security broker
based on the authorization result;

relaying the permissions token to the platform coordinator, the
permissions token comprising both the secured resource
and access rights;

storing the permissions token with a time stamp in a cache on the
platform coordinator; and

relaying the access rights to the software application through the
embedded component; and

authorizing the user to access one of the secured resources with one of a
plurality of security providers.

33. (Currently amended) A method for providing computer security, the method comprising:

securing a plurality of resources within a software application;

identifying each of the plurality of resources in a data store;

selecting some of the plurality of resources;

grouping selected resources into user roles in the data store;

creating a plurality of user names and a plurality of aliases in the data store, each
user name and each alias being associated with the same user role;

replicating the plurality of resources, the user roles, the plurality of user names
and the plurality of aliases in a plurality of data stores; and

determining access privileges to the plurality of resources using an alias
corresponding to a user name by virtue of the same one user role from
one of the plurality of data stores, determining access privileges further
comprising:

authenticating a user on ~~the~~ a system with one of a plurality of security
providers;

authorizing access rights to ~the~ secured resources in the software
application with one of a plurality of security providers, wherein
authorizing access rights comprises:

capturing a security call from the software application, the security
call containing a name identifying a secured resource;

·retrieving a user identifier;

passing the user identifier to ~a~ one of ~the~ a plurality of security
brokers;

retrieving one of the plurality of aliases from a data store of one of
the plurality of security brokers, the retrieved alias
corresponding to the user identifier;

passing the retrieved alias to ~a~ one of the security providers;

verifying the alias against one of the plurality of data stores on one
of the plurality of security providers;

returning an encrypted permissions token to the software
application; and

determining access rights to the secured resource according to
the permissions token; and

receiving a permissions request from one of a plurality of workstations
and routing the permissions request to one of the security
providers with one of ~a~ the plurality of security brokers.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner
should be directed to Beemnet W. Dada whose telephone number is (571) 272-3847. The
examiner can normally be reached on Monday - Friday (9:00 am - 5:30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Kim Y. Vu can be reached on (571) 272-3859. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private

PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you

would like assistance from a USPTO Customer Service Representative or access to the

automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Beemnet Dada

July 17, 2006

KIM VU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100